

INTERNATIONAL SEARCH REPORT

IB2004/004114

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/10 A61K31/438 A01N43/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/106457 A (SYNGENTA LIMITED; SYNGENTA PARTICIPATIONS AG; HUGHES, DAVID, JOHN; WOR) 24 December 2003 (2003-12-24) Tables I--XXXII page 1, line 3 - page 1, line 6; claims 1-7,10; examples 1-19 -----	1-10
A	EP 0 286 346 A (E.I. DU PONT DE NEMOURS AND COMPANY) 12 October 1988 (1988-10-12) claim 2, compounds Q-.2; page 4, line 12 - page 5, line 8; claims ----- -/--	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

22 April 2005

Date of mailing of the international search report

06/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schmid, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KAWASAKI T ET AL: "Enantioselective total synthesis of (-)-pseudophrynaminol through tandem olefination, isomerization and asymmetric Claisen rearrangement" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 44, no. 8, 17 February 2003 (2003-02-17), pages 1591-1593, XP004405278 ISSN: 0040-4039 page 1592, compound 12 -----</p>	1-8

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PCT/IB2004/004114

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 10 is directed partly to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03106457	A	24-12-2003	AU 2003240071 A1 BR 0312129 A CA 2487494 A1 EP 1515969 A1 WO 03106457 A1	31-12-2003 29-03-2005 24-12-2003 23-03-2005 24-12-2003
EP 0286346	A	12-10-1988	AT 103903 T AU 609808 B2 AU 1548488 A BR 8806571 A CA 1311761 C CN 88102069 A DE 3888864 D1 DE 3888864 T2 EP 0286346 A2 EP 0362216 A1 ES 2061644 T3 IL 85998 A JP 2502906 T MX 11053 A WO 8807994 A1 US 4960784 A ZA 8802471 A DK 288288 A HU 49857 A2	15-04-1994 09-05-1991 04-11-1988 17-10-1989 22-12-1992 26-10-1988 11-05-1994 13-10-1994 12-10-1988 11-04-1990 16-12-1994 06-09-1992 13-09-1990 01-11-1993 20-10-1988 02-10-1990 27-12-1989 09-09-1989 28-11-1989